[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

**DUCTWORK SYMBOLS**

	UP	Supply Duct (Up)
	DN	Exhaust Duct (Down)
	UP	Return Duct (Up)
	DN	Round and Square Duct
	DN	Square 3-Way Coupling
	DN	Square 2-Way Coupling
	DN	Square 1-Way Coupling
	DN	Linear Slot Diffuser
	DN	Supply Top Register
	DN	Exhaust or Return (Wall Type)
	DN	Exhaust or Return (Wall Type)
	DN	Waked Elbow and Connect New Duct
	DN	Inclined Rise in Duct
	DN	Inclined Drop in Duct
	DN	Limit of Demolition

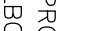




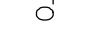
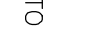





**DUCTWORK SYMBOLS**

	UP	Supply Duct (Up)
	DN	Exhaust Duct (Down)
	UP	Return Duct (Up)
	DN	Round and Square Duct
	DN	Square 3-Way Coupling
	DN	Square 2-Way Coupling
	DN	Square 1-Way Coupling
	DN	Linear Slot Diffuser
	DN	Supply Top Register
	DN	Exhaust or Return (Wall Type)
	DN	Exhaust or Return (Wall Type)
	DN	Waked Elbow and Connect New Duct
	DN	Inclined Rise in Duct
	DN	Inclined Drop in Duct
	DN	Limit of Demolition


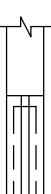







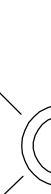

**DUCTWORK SYMBOLS**

	UP	Supply Duct (Up)
	DN	Exhaust Duct (Down)
	UP	Return Duct (Up)
	DN	Round and Square Duct
	DN	Square 3-Way Coupling
	DN	Square 2-Way Coupling
	DN	Square 1-Way Coupling
	DN	Linear Slot Diffuser
	DN	Supply Top Register
	DN	Exhaust or Return (Wall Type)
	DN	Exhaust or Return (Wall Type)
	DN	Waked Elbow and Connect New Duct
	DN	Inclined Rise in Duct
	DN	Inclined Drop in Duct
	DN	Limit of Demolition

FL (FALL TYPE)  
 REGRISTER OR GRILLE  
 OR TOP GRILLE  
 IN DUCT TAKE-OFF  
 IN DUCT  
 F AIR FLOW  
 OF AIR FLOW

SYMBOLS	
	CONNECTION, EQUIPMENT, OR STATIC
	SQUARE (PROVIDE ALL SQUARE OR ELBOWS WITH VANES EVEN IF MISSING)
	SHORT RADIUS
	LONG RADIUS
	(INSIDE DIMENSIONS: WITH X DEPTH)
	DUCT TO REMAIN
	DUCT TO BE REMOVED (PHASE 1)
	COVER SPECIFIED IN ARCHITECTURAL
	DUCTWORK (INSULATED)
	SOUND LINING
	VOLUME DAMPER
	FIRE DAMPER

DUCTWORK SYMBOLS	
COMBINATION FIRE/SMOKE DAMPER	POINT OF CHANGE IN DUCT CONSTRUCTION BY MATERIAL, INSULATION, OR PRESSURE CLASS INDICATED BY "N" OR "W" FOLLOWING ACCOMMODATE MANUAL OPERATING PRESSURE CLASS (N) OR WATER WHICH WILL TERMINATE THE DUCTWORK. "N" INDICATES NON-FIRE RESISTANT PRESS. A "W" SUPERSOON® MOVABLE WEATHER PRESSURE.
AUTOMATIC CONTROL DAMPER MODULATING	
AUTOMATIC CONTROL DAMPER TWO POSITION	
EXISTING DUCT TO BE REMOVED (PHASE 1)	
MANUAL SPLITTER DAMPER	
STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TEE)	
DUCT MOUNTED COIL (HOT WATER OR STEAM OR ELECTRIC)	
DUCT MOUNTED COIL	

TERMINAL UNIT SYMBOLS	
	CONNECTOR OR RADIATOR (A)
	FLOOR MOUNTED VERTICAL UNIT INDICATES UNIT SIZE
	FLOOR MOUNTED VERTICAL UNIT INDICATES UNIT SIZE
	THRU WALL AIR CONDITIONING UNIT INDICATES UNIT SIZE
	WINDOW TYPE AIR CONDITIONING UNIT INDICATES UNIT SIZE
	FLOOR MOUNTED HEAT PUMP UNIT INDICATES UNIT SIZE
	AIR CURTAIN
	UNIT HEATER (HORIZONTAL)
	UNIT HEATER (VERTICAL)
	2'x2' RADIANT CEILING PANEL
	2'x4' RADIANT CEILING PANEL

[illegible][illegible]

0 2 4 8 16 inches = one foot	
1"=10'-0"	
1"=20'-0"	
1"=40'-0"	
1"=80'-0"	
1"=160'-0"	
1"=320'-0"	
1"=640'-0"	
1"=1280'-0"	
1"=2560'-0"	
1"=5120'-0"	
1"=10240'-0"	
1"=20480'-0"	
1"=40960'-0"	
1"=81920'-0"	
1"=163840'-0"	
1"=327680'-0"	
1"=655360'-0"	
1"=1310720'-0"	
1"=2621440'-0"	
1"=5242880'-0"	
1"=10485760'-0"	
1"=20971520'-0"	
1"=41943040'-0"	
1"=83886080'-0"	
1"=167772160'-0"	
1"=335544320'-0"	
1"=671088640'-0"	
1"=1342177280'-0"	
1"=2684354560'-0"	
1"=5368709120'-0"	
1"=10737418240'-0"	
1"=21474836480'-0"	
1"=42949672960'-0"	
1"=85899345920'-0"	
1"=171798691840'-0"	
1"=343597383680'-0"	
1"=687194767360'-0"	
1"=1374389534720'-0"	
1"=2748779069440'-0"	
1"=5497558138880'-0"	
1"=10995116277760'-0"	
1"=21990232555520'-0"	
1"=43980465111040'-0"	
1"=87960930222080'-0"	
1"=175921860444160'-0"	
1"=351843720888320'-0"	
1"=703687441776640'-0"	
1"=1407374883553280'-0"	
1"=2814749767106560'-0"	
1"=5629499534213120'-0"	
1"=11258999068426240'-0"	
1"=22517998136852480'-0"	
1"=45035996273704960'-0"	
1"=90071992547409920'-0"	
1"=180143985094819840'-0"	
1"=360287970189639680'-0"	
1"=720575940379279360'-0"	
1"=1441151880758558720'-0"	
1"=2882303761517117440'-0"	
1"=5764607523034234880'-0"	
1"=11529215046068469760'-0"	
1"=23058430092136939520'-0"	
1"=46116860184273879040'-0"	
1"=92233720368547758080'-0"	
1"=184467440737095516160'-0"	
1"=368934881474191032320'-0"	
1"=737869762948382064640'-0"	
1"=1475739525896764129280'-0"	
1"=2951479051793528258560'-0"	
1"=5902958103587056517120'-0"	
1"=11805916207174113034240'-0"	
1"=23611832414348226068480'-0"	
1"=47223664828696452136960'-0"	
1"=94447329657392904273920'-0"	
1"=188894659314785808547840'-0"	
1"=377789318629571617095680'-0"	
1"=755578637259143234191360'-0"	
1"=1511157274518286468382720'-0"	
1"=3022314549036572936765440'-0"	
1"=6044629098073145873530880'-0"	
1"=12089258196146291747061760'-0"	
1"=24178516392292583494123520'-0"	
1"=48357032784585166988247040'-0"	
1"=96714065569170333976494080'-0"	
1"=193428131138340667952988160'-0"	
1"=386856262276681335905976320'-0"	
1"=773712524553362671811952640'-0"	
1"=1547425049106725343623905280'-0"	
1"=3094850098213450687247810560'-0"	
1"=6189700196426901374495621120'-0"	
1"=12379400392853802748991242240'-0"	
1"=24758800785707605497982484480'-0"	
1"=49517601571415210995964968960'-0"	
1"=99035203142830421991929937920'-0"	
1"=198070406285660843983859875840'-0"	
1"=396140812571321687967719751680'-0"	
1"=792281625142643375935439503360'-0"	
1"=1584563250285286751870879006720'-0"	
1"=3169126500570573503741758013440'-0"	
1"=6338253001141147007483516026880'-0"	
1"=12676506002282294014967032053760'-0"	
1"=25353012004564588029934064107520'-0"	
1"=50706024009129176059868128215040'-0"	
1"=101412048018258352119736256430080'-0"	
1"=202824096036516704239472512860160'-0"	
1"=405648192073033408478945025720320'-0"	
1"=811296384146066816957890051440640'-0"	
1"=1622592768292133633915780102881280'-0"	
1"=3245185536584267267831560205762560'-0"	
1"=6490371073168534535663120411525120'-0"	
1"=12980742146337069071326240823050240'-0"	
1"=25961484292674138142652481646100480'-0"	
1"=51922968585348276285304963292200960'-0"	
1"=103845937170696552570609926584401920'-0"	
1"=207	